

# THE WRANGELL SENTINEL

VOLUME 11, NUMBER 41.

WRANGELL, ALASKA, THURSDAY, OCTOBER 24, 1912

\$2.50 PER YEAR, 10c. PER COPY

## Grand Jury Completing Work

Ketchikan, Aa, Oct. 24 The Grand Jury, in session nine days, investigated twenty three bound over cases, returned twenty-eight true and six not true bills. Wm. Perchment, (Bobby Burns) of Wrangell was indicted Monday for furnishing liquor to indians and will receive sentence tomorrow.

Among the recommendations of the committee were a \$15.00 bounty on wolves and a jail sentence for the receiver as well as the supplier in liquor-to-native cases.

## Firemen's Ball Decided Success.

As was expected, the Firemen's Ball Saturday evening was a decided success both socially and financially. After numerous small expenses were deducted from the receipts the firemen had \$125. to turn over to the Common Council to help purchase fire hose.

## Socialists Name Ticket

The referendum vote of the Socialist party resulted in the following ticket for the Territorial Legislature:-

For Senators—

C. A. Swanson, of Petersburg.

Geo. V. Bland, of Ketchikan.

For Representatives—

Peter Twet, of Juneau.

Geo. W. Stukeley, of Douglas.

John Noland, of Juneau.

E. A. Heath, of Ketchikan.

## Mine Production Gaining

Alaska made a gain of nearly four million in 1911 over 1910, the totals being \$20,650,000 and \$16,876,224, respectively. The increase is due mainly to copper, and the development of copper mines takes time and capital. It is estimated that in opening property of this kind and developing transportation about \$20,000,000 has been expended; returns on this investment are expected to come in within a few years.

## The Fish Trap A Storm Center.

Petitions and Legislation for its abolition to be fought by coast Lobbyists in Washington.

The petition first drawn up and circulated in Ketchikan by the Fishermen's Association praying for the abolition of the fish-trap, has been forwarded to Wrangell and is meeting with new signatures at every exhibition. It is the plan of framers of the petition to circulate it throughout Southeastern Alaska and get such an overwhelming number of signers that Congress cannot overlook the wishes of the people regarding the trap.

Since the Alaska political parties now putting tickets in the field for the first Territorial legislature have all incorporated an anti-fish-trap plank in their party platforms and have pledged their candidates to work to work to that end, the fishing interests of the Pacific coast are becoming actively interested and plan to send to the 63rd Congress, an extra strong party of Lobbyists composed of prominent attorneys of the Northwest, who will use their efforts to counteract the effect of the popular petition and any acts of the Alaska Legislature by preventing legislation on the subject antagonistic to their operation.

## Raking West Coast For Witnesses.

Klawock Aa, Oct. 22. Deputy U. S. Marshall, W. F. Schnabel, of Wrangell, called here today in quest of witnesses wanted to appear before the Grand Jury now in session at Ketchikan in the Japanese catinaty-hand murder case.

## The Cash Store Being Enlarged.

Chas. Benjamin, who has had the entire management of the Cash Store since former owner, F. C. Miles went back to California last November, has recently purchased the property and the lot facing Front Street which will soon be occupied by a two-story addition to the store which will give a much needed Front Street entrance and plenty of room for a growing business. Work on the addition started Monday under the supervision of W. G. Brown.

At St. Philip's Church

"Is Evil Necessary," will be the theme at St. Philip's Church, Sunday Evening Oct. 27.

## NOTICE OF ELECTION

To the electors of the Town of Wrangell, Division No. One, Territory of Alaska: Notice is hereby given that pursuant to an Act of Congress, entitled "An Act to Create a Legislative Assembly in the Territory of Alaska, to Confer Legislative Power Thereon and for Other Purposes," a general election for the election of two senators and four representatives to the Alaska Legislative Assembly, as provided for in said act, will be held on Tuesday, November 5, 1912, between the hours of 8 o'clock A. M. and 7 o'clock P. M. of said day.

The Common Council of Wrangell, Alaska, having heretofore, by ordinance duly designated the voting precincts of said town and polling places in each thereof, the electors are hereby notified:

That all duly qualified voters residing within the boundaries of voting precinct No. 1 of said town of Wrangell, which are as follows: all of the incorporated Town of Wrangell, Alaska, will vote at Town Hall Building, located on

## Thugs Rob Express

On October 18, one year from the assault on agent, Gupta, H. Taylor, the Skagway express agent was knocked unconscious last Friday and the office safe robbed of the currency.

## Thanks

The Firemen wish to thank, the members of the Orchestra and others who helped make the ball a success by donations of services. Alert. Fire Company.

Church Street, which is owned by the Town and occupied by the Common Council, the same being the duly designated polling place in and for Precinct No. 1, Town of Wrangell, Alaska.

Dated this third day of October, 1912.

(Signed)  
THE COMMON COUNCIL OF  
THE TOWN OF WRANGELL  
ALASKA.

By J. E. WORDEN, Clerk.

## St. Charles Milk

Equal to any of  
the best brands  
in Reputation  
and Quality-----  
Sells for less  
than Carnation  
Now is YOUR  
opportunity to  
lay in a stock  
for winter at

Our Special net cash  
price in five case lots

**F. MATHESON**  
Department Store  
General Merchandise, Furs, Forwarding

## City Store

Donald Sinclair, Prop.



**Now I'm Satisfied**

There's a world of satisfaction in the possession of a perfect range—one in which you may repose every confidence and absolutely know that your cooking and baking will be done just as you wish. You may depend upon the

**Monarch Malleable Range**

to give perfectly satisfactory service every day for years and years. The Monarch does not require nearly as much care as ordinary ranges and costs much less to operate. You'll surely be pleased with the Monarch.

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We are Alaska Agents for FISHERMAN Engines

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4-cycle, reversible—The Best Trolling Engine Made

General Merchandise

**Wrangell - Alaska**

# THE WRANGELL SENTINEL

HAROLD F. DAWES, Editor and Proprietor.

Published at Wrangell, Alaska, every Thursday Afternoon

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## Starting a Tight Screw.

When a screw cannot be turned with an ordinary screwdriver the following method is usually successful: Put the cutting edge of a cold chisel in the slot of the screw head and slightly turn the chisel in the direction to loosen the screw. This will cause the chisel to "climb" out of the slot a trifle. Hit the head of the chisel a light, sharp blow, which will cause it to bottom in the slot, but the inertia of the chisel in turning to its original position will cause the screw to turn a small amount in the desired direction. By repeating this several times the screw can be loosened so it is easily turned with a screwdriver.

## Repairing Old Anvils.

Heat the anvil sufficiently to draw the temper and let it cool slowly as when annealing steel. Plane or mill the surface and polish it smooth. Heat the anvil and case harden. An old anvil can be made as good as new in this manner.

## A Bit Annoying.

Are you fain to learn the limit of vexation? Do you pant to find the maximum of woe? Would you care to know the greatest aggravation? That it's possible for man to undergo? Then go walking on a street that's very muddy In a suit that's newly pressed and polished shoes And while buried in a deep maduro study Let a passing wagon splatter you with ooze.

—New York Mail.

## An Explanation.

The steamboat came splashing along her course at full speed and the first thing the passengers knew had crashed head on into the pier. "Mercy!" cried a passenger as the bow crashed and the splinters flew. "I wonder what is the matter?" "Nothin'," said Pat, one of the deck hands—"nothin", ma'am. Ut looks to me as if the captain just forgot that we shtop here."—Harper's Weekly.

## GUM FOR CANOE CALKING.

An Efficient Article Can Be Made From Rosin and Vaseline.

Considerable need is often experienced by canoeists and boatmen generally in the lack of a good canoe gum to stop leaks or breaks which may occur in the calking of the boat, says the Scientific American. When canoeing in the northern waters of Canada or on the lakes in the Adirondacks and the Rockies it is often inconvenient or impossible to obtain a ready made gum which will answer this purpose.

A good canoe gum must answer several demands—first, it must be sufficiently pliable so as not to break and powder when in the cold water and under strain; second, it must not melt and run in the sun when the canoe is beached for a short time; third, it must not dissolve or soften when in the water, and, last, it must set hard in a few moments if it is to meet the requirements of an emergency. It goes without saying that the raw material must be easily accessible and the price as low as possible.

All these demands are adequately met by a gum compounded of rosin and vaseline, and the gum can be made in any water tight dish which may be heated over an open fire. One part of vaseline and four parts of rosin, by weight, heated until dissolved in each other will give a gum which, at summer temperature, is soft and easily dentified. This is the consistency required for a gum to prevent crumbling in cold waters, such as Lake Superior.

A material compounded of 10 per cent vaseline and 90 per cent rosin is quite brittle when cold. However, in warmer waters farther south this gum is sufficiently pliable and does not soften or melt readily in the sun.

Addition of rosin makes the gum harder and more brittle; adding more vaseline makes it softer and tougher, so that any consistency may be had from the hardness of rosin to the softness of vaseline.

The above ingredients compounded in the proportions of 10 to 20 per cent of vaseline and 80 to 90 per cent of rosin will answer all the requirements of a first class canoe gum. It may be carried in a tin or wrapped in paper, and it melts easily over the flame of a match and sticks like glue to warmed surfaces. Any coloring matter may be stirred into the hot liquid gum. For example, chinese blue gives a bluish green color, red lead gives a brilliant red, and chrome green yields a brilliant green. The best proportions are one part of mineral pigment to one part of gum. The addition of pigments makes the gum very hard.

## New Type of Steel.

New steels are being produced even now, and that of F. Kohlhaas of Düsseldorf is claimed to have quite remarkable properties in its toughness combined with hardness. Though it can be bent double while cold, it can be filed only with great difficulty. Only a low heat, it is stated, is necessary for forging and rolling. The tensile strength is very high, reaching seventy-five tons per square inch, the elongation varying with slight changes of composition up to 45 per cent. This steel normally contains from 9.8 to 10.3 per cent of manganese, .02 to 1.4 of titanium, .49 to 1.9 of carbon, 0.4 to 0.7 of silicon, .03 or less of sulphur and 0.015 of phosphorus. In manufacture ferro-titanium and ferro-silicon are added in turn while the mass is at a very high temperature. In the final treatment the ingots are heated to 1,000 degrees and quenched in water or cooled in air.

## Cause of Writer's Cramp.

Medical authorities now claim that "writer's cramp" and other similar states of apparent muscular paralysis are actually due, not to the tiring of the muscles, but to brain fatigue. It appears that the particular part of the brain which controls special combinations of muscle action, such as the movements of writing or the working of a telegraph key, tends to become more quickly exhausted in some individuals than in others. Such exhaustion leads to a state in which the brain is actually unable to send out its necessary messages to the hands and fingers to write, tap a key, hold a violin bow, etc. Furthermore, once the nerve cells (the "batteries" of the brain) get thoroughly run down it is not easy to restore their energy. Heretofore it has been supposed that all troubles of the kind were due simply to over-tiring of the muscles concerned.

## Motor Railway Engine.

Mr. Diesel, on whose original designs the majority of high power modern oil engines have been built, has been working for some years on a high speed locomotive for railway use and has now built in Berlin an engine of 1,200 horsepower which has been designed for passenger traffic. The engine weighs eighty-five tons and has two sets of Diesel engines working at right angles to each other. A small auxiliary oil engine is used for compressing the air, which, after being cooled, is mixed with the oil and exploded in the cylinders.

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Electric Light and Steam Heat Throughout

Well Lighted Sample Rooms for Traveling Men

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FIRST-CLASS BAR AND DINING ROOM IN CONNECTION

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Courteous  
Treatment Always Assured

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North Oct. 20 South 3 Days Later

and will sail from Wrangell about every 12 days thereafter

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Local Agents

Tannhaeuser Beer  
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The Finest, Purest  
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CHAS. BORCH, PROPRIETOR

Best Domestic  
And Imported Cigars

Wrangell, Alaska



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STEAMSHIP  
Company

Service to SEATTLE and all points SOUTH as follows:

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Spokane, 5, 17 and 29

ST. MICHAEL TRADING CO., Local Agents

G. W. Andrews, G. A., P. D.,

Seattle, Wash.

## Pacific Coast & Norway Packing Co.

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We are prepared to make prompt deliveries  
of Lumber and Box Shocks

Largest Stock of General Merchandise

In Southeastern Alaska. Our revised prices are much lower  
than heretofore

See

Us before purchasing elsewhere

WE BUY

Fresh and Mild Cured Salmon

Petersburg,

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"The Home of the Fishermen"

## Wrangell Electric Light & Power Co.

Will supply you with

LIGHTS

ELECTRIC FIXTURES, LAMPS, SHADES, WIRE, SWITCHES,  
LAMP ADJUSTERS and BATTERIES

Why not try some of our NEW LAMPS in your home?  
We are local agents for PALMER BROS. engines

GIVE US A TRIAL

Palmer & Ensley, Proprietors

## THE WRANGELL SAWMILL

Manufacturers of all kinds of

Spruce and Cedar Lumber; Ceiling, Flooring, Rustic  
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Special Attention to Building and Mining Timber

This Sawmill is prepared to make prompt delivery of  
Lumber in any quantity to any point in Southeastern  
Alaska. Parties intending to use Lumber in quantity  
will do well to apply for prices before going elsewhere

Willson & Sylvester Estate

WRANGELL

ALASKA

# News of Local Interest

Mrs. John Thompson, of Petersburg, is a Wrangell visitor this week.

Otto Hofstad has gone in pursuit of the halibut.

H. W. Rinn leaves on the City of Seattle for Astoria today.

Robt. Livesay installed an 18 h. p. Truscott engine in his boat Wednesday.

Mrs. C. O. Denny was operated successfully for removal of tumor and appendix Monday at the hospital, and is recovering rapidly from the effects of the knife.

G. M. Scott, D. Terwilliger, Fred Brockman, J. K. Smith and J. Martindale were passengers from West Coast points on the Uncle Dan Wednesday.

A Wurlitzer band organ of sufficient size arrived north on the Humboldt Tuesday and has been connected up to the house wire of the rink to dispense harmony for the skaters.

Lorina and Georgianna Wigg, Fred Choquette and Lawrence Case will take the May south Friday and will attend a Catholic school in Tacoma during the winter.

Kitty Robertson, one of Wrangell's well-known aged natives, is much worried over the loss of her "specs" and devious ways the ed is informed that a reward of one pair of moccasins is awaiting the finder who returns them to the owner.

SPIRELLA Corsets—Mrs. Oscar Carlson, Agent.

**A. J. KALKINS, AGENT FOR**  
"Globe" 4 cycle Marine Motor.  
"Eddystone-Globe" 2 cycle, open crank-case motors. The best 2 cycle engine made. Factory rebuilt motors. "Perfex" waterproof igniters. Mottsinger Auto-sparker.

River transportation summer and winter with Launch "Black Fox" and dog team.

For Sale—Launch Seabird. 19 feet o. a. 7 h. p. new Gray Motor—Inquire W. G. Brown & Sons

**STORAGE BATTERIES**, guaranteed not to sulphate. Cheaper than dry cells. Come in and see us about 'em. Wrangell Light and Power Company, at Power House.

## DIRECTORY

**TOWN OFFICIALS.**  
Mayor Chas. A. Emery  
Clerk J. E. Worden  
Treasurer F. Matheson

**U. S. OFFICIALS.**  
Commissioner Wm. G. Thomas  
Deputy Marshal Wm. F. Schnabel  
Col. Customs F. E. Bronson  
Asst. Fish & Game W'd'n F. H. Gray  
Postmaster J. E. Worden

For professional and tradespeople; see advertising columns.

## Cassiar Yields Many Fine Heads

**Biggest crop of trophies secured in years. Several hunters secure limit. Record caribou**

Without doubt the greatest number of fine big-game heads has been taken from the Cassiar region the past hunting season that has been secured in years. Each hunter that has visited the upper Stikine this year has been successful in obtaining good heads and many secured the limit their license called for.

During the season, hunters from all parts of the globe have visited the Cassiar where heads of sheep, goats, caribou, moose and bear can be secured on one expedition. This week quite a number of successful hunters have returned from the Stikine by the Nahlin and small boats. The following is a partial list of the hunters and their heads: P. Roach, N. Y., 3c, 2 m, 2 s and 4 b. J. A. Donovan, Butte, Mont. 3 c, 1 m, 2 s and 5g. L. Anderson, Redlands, Mont. 3 c 2 m, 2 s and 5 g. Mr. and Mrs. Luke, Victoria, 4 c, 3 m and 6 b. H. J. and Spencer Biddle, Vancouver, 4 c, 2 m, 4 s and 2-b. R. Beaumont, 3 c, 1 m, 2 s and 2g. The record caribou head of the Cassiar was secured by Mr. Luke, the horns measuring about four inches longer than the previous record.

## Supt's Wife and Gunner Fall Through Wharf.

Mrs. Abrahamson, wife of Supt. Banir Abrahamson of the U. S. Whaling Company at Port Armstrong, and Edward Jorgenson, the best gunner of the whaling fleet, met with an accident last Friday by falling through the station wharf to the rocks on the beach below. They were brought to Wrangell Saturday in one of the company's steamers accompanied by Supt. Abrahamson. Mrs. Abrahamson escaped serious injury and went south to Seattle on the Jefferson. Mr. Abrahamson remaining in Wrangell to take the injured gunner south on the City of Seattle.

The U. S. Whaling Company operated three steamers; the Stars 1, 2, and 3, this season and secured 314 whales.

**SCHOOL SUPPLIES**  
**WRANGELL DRUG CO.**

## DAMES AND DAUGHTERS.

Bertha Krupp of Germany now has a fortune estimated at \$70,000,000.

Mrs. R. Douglas-Wise recently celebrated in Philadelphia her hundredth birthday.

Dr. Yamina Sen of China is said to be the first woman admitted to the fellowship of the Royal Faculty of Physicians and Surgeons of Glasgow.

Mrs. A. M. Ellis has just been chosen mayor of Johannesburg, South Africa. She is said to have an unusual record as a successful business woman.

Mrs. Frederick Holzer of Milwaukee has withdrawn the divorce suit started because her husband shaved off his beard. He has sensibly grown a new one.

Mme. Rachel Vuille of Switzerland was recently admitted to the bar at Geneva amid the cheers of all the lawyers present. Mme. Vuille, who has entered into partnership with an eminent lawyer of Geneva, passed her legal examinations within three years and was graduated with honor.

Teresa Labriola is the first woman lawyer allowed to plead before an Italian court. She made her debut recently before a military court, defending a private who was accused of having slapped the face of his sergeant. She is professor of philosophy in the University of Rome and a leading feminist.

## Sporting Notes.

Of the fifty trotters which entered the 2:10 list in 1911 only five have improved their marks this season in the mile races over the light harness tracks.

The New South Wales and Victorian Rowing associations are endeavoring to induce an English eight oared crew to visit Australia next year to row at Henley on the Yarra, Melbourne, and on the famous Parramatta river.

A fine stadium is to be built for the College of the City of New York. It will have a circular track a fifth of a mile in length, a concrete grand stand with seats for 12,000 spectators and every modern convenience for training purposes.

## Pert Personals.

The czar fears that he will meet with a violent death, and many of his subjects fear that he will not.—Boston Advertiser.

We don't believe the Black Hand ever will get close enough to John D. Rockefeller even to jerk his wig off.—Chicago Tribune.

The case of Charles W. Morse is about as strong an argument against euthanasia as any we can think of just now.—Rochester Herald.

Every now and then something gets into print which creates a suspicion that the queen of England is not a bit with the society journalists.—Washington Star.

## Recent Inventions.

A machine has been invented which will take your picture when you drop a coin in a slot.

A single wheeled road cart that can be taken anywhere that a horse can go maintains its balance by the use of special harness.

A Texas man has invented a very simple but useful tool that will twist tightly together two or more wires when the tool is drawn over them.

For the use of persons who have to move about floors on their knees there has been invented a low stool mounted on casters and with depressions for the knees and receptacles for tools.

## Current Comment.

Higher allowances to deserted wives from deserting husbands? This is the cost of living increased to the poor man!—New York Tribune.

Five hundred students worked their way through Columbia university last year. Really the public ought to discard the idea that a college student does nothing but yell and smoke cigarettes.—Chicago News.

A Paris scientist predicts that the next generation will contrive to make electricity a substitute for beef. If that happens there will, of course, be an advance in the price of electricity.—Chicago Record-Herald.

## Bushing a Stovepipe.

When a stovepipe is too small for the hole in the chimney a bushing can readily be made of metal tobacco boxes that are curved to fit in the pocket, says Mechanics. Remove the tops and bottoms of the boxes and shove them in around the pipe. If such tobacco boxes are not at hand tin cans of any kind can be used by melting off the tops and bottoms and bending the remaining cylindrical shells into proper shape.

Flannel Shirts

Overcoats

Warm Blankets

And Comforts

Colder Weather

Staples



They stand inspection!

BUY HALIBUT GEAR

**Thlinget Trading Company**  
Dealers in  
**General Merchandise**  
**Wrangell, Alaska**

Costs More to Brew

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**Angeles Beer**

At all Leading Bars in Wrangell

**BOHEMIAN BAR**

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**Bohemian Draught Beer a Specialty**

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Alaska Furs a specialty. Very top prices paid. Quick cash returns. Shipments held until returns approved. When requested, make trial shipment. Convince Yourself. WRITE FOR CIRCULARS.

Best Rooms at Reasonable Rates

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Billards, Pool and Cards

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Meets every Wednesday at 8

P. M. sharp, at Red Men's Lodge Rooms.

Visiting Brothers Cordially Invited

C. M. COULTER, & C. S. C.

SHURICK, A. R.

## Fresh Milk

The kind that nice rich CREAM rises on is what you need I can supply you with it in any quantity. Try some.

N. L. MOEN

## PATENAUDE

carries a fine line of

SMOKERS' ARTICLES

WHOLESALE OR RETAIL

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WE PAY

High Prices for

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Write for Price List

Percy's Fur House

OSHKOSH, WISCONSIN

Established

1872

## Wrangell Drug Co.

L. P. Dawes, M. D. Prop.

The place to Buy

Prescriptions

Toilet Articles

Stationery

Novelties

Come in and see

## TRACK LAYING MACHINE.

Device Places Ties and Rails in Position For the Spikers.

The modern track laying machine should not be confused with track laying tools, as this machine is not a tool, but a real machine that actually lays tracks, says the Scientific American. The machine moves steadily forward over the track it lays at a rate of from twelve to forty feet per minute. At the rear of the track laying machine are cars loaded with ties and rails. The cars which carry the ties are in advance of those carrying the rails. The rails are drawn forward on rollers and are connected temporarily one to the other. As the rails pass under the cars which carry the ties the latter are distributed upon the rails and spaced apart uniformly. The chain of rails thus serves to transport the ties toward the track laying machine. As the rails enter the machine the ties are picked up by a conveyor and carried overhead. They are distributed on the roadbed at the end of a truss that reaches far in advance of the main body of the track laying machine. The rails in the meantime are carried forward and deposited upon ties previously laid. The truss may be swung to one side or the other in order to allow for passing around curves.

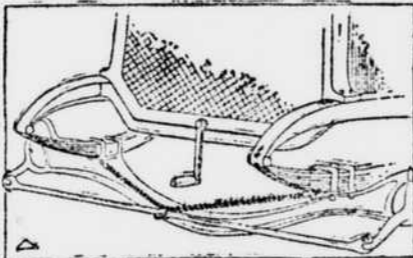
The track laying machine is self-propelling. It hauls a train of twenty-five cars of material, more or less depending upon the grade. A train of twelve cars will carry enough material for a mile of track. This machine, with eighteen men, including spikers, can lay and bolt and spike a half a mile of track per day. With a larger force of men two miles of track may be laid in a single day.

## KEEPS AUTO IN ROAD.

Spring Attachment Prevents Wheels From Turning Aside Easily.

An ingenious device designed to prevent the front wheels of an automobile from being easily turned aside by obstructions or unevenness in the road is being marketed by an eastern automobile accessory concern.

A spiral spring about three feet long, made from specially prepared oil tem-



DEVICE FOR KEEPING AUTOS STRAIGHT.

pered steel wire, with a center clip and end attachments made from steel forgings, is attached between the front spring seats and the steering rod. It is claimed to correct automatically any tendency of the wheels to turn aside from a straight path.—Popular Mechanics.

## Poison From Frogs.

The arrow poison used by the Indians of Colombia has been found to be the secretion of the skin of a small frog. The arrows are eight inch palm spines, which are shot from a blowgun about fourteen feet long, and the hunter carries the frog along in a hollow bamboo in order that he may have the poison in a fresh condition. A simple prick of the skin yields the poison drop when needed. When one of the arrows enters the body of even a large animal, such as a jaguar, monkey or deer, paralysis quickly follows, and the victim is then easily killed. The use of the poison, it is said, does not affect the flesh of the animals killed, which is quite harmless when eaten. Two French naturalists have made experiments with the edible frog, *Rana esculenta*, showing that its skin exudes a similar poison when irritated and that an extract prepared from the skin gives in guinea pigs the same symptoms as inoculation with the arrow poison.

## Old Age Diet.

The Metchnikoff theory of old age, as is well known, attributes senile decay largely to poisons in the great intestine. From the latest report of Professor Metchnikoff and Dr. Eugene Wollmann it appears that these poisons are chiefly indol and the phenols and that sugar, which is much more readily absorbed by the great intestine, must have much effect in opposing their action. They propose feeding substances that certain microbes keep from turning to sugar until the great intestine is reached. They concluded that an ideal diet would include two meals a day, made up of 120 grams of meat, 500 or 600 grams of clotted milk acidulated by the lactic acid bacillus and a sufficiency of vegetables, fruits and cereals. Under test this diet is claimed to have kept the intestinal poisons at a minimum.

## JEFFERSON DOLPHIN

Regular Sailings North and South

Every 6 Days

Best of Boats

Best of Service

Connect at Juneau for the Westward.

Connect at Seattle with trains for all points.

Alaska Steamship Company

Lowman Bldg. Seattle, Wash.

Wrangell Steam Laundry  
F. B. Leonard Prop.

Up-to-date Laundry Work  
At the Right Prices

Wrangell, Alaska

## STREET DUST DANGERS.

Flying Particles Cause Many Diseases of the Respiratory Organs.

In a recent article published in Hygiene Dr. Rasser draws attention to the considerable danger connected with street dust, the action of which on the human organs of respiration is responsible to a great extent for the origin of tuberculosis and similar diseases of the lungs and windpipe. But apart from this kind of trouble dangerous chronic inflammations of the eye should be put down to the action of street dust. In fact, an increase in the frequency of catarrhs has been observed with continued dry weather and a reduction on the occurrence of the first rain.

Under these conditions road engineering, apart from its technical task, has primarily to fulfill a sanitary task. As the production of dust depends on the fixing of roads, a pavement complying with all hygienical requirements should be looked for. Asphalted streets would seem to comply with most of these conditions, provided there be an extensive and thorough removal of waste matter, followed by an abundant sprinkling of the road surface. Caoutchouc pavement, as used with especial satisfactory results in London, would seem to be most desirable. Dr. Rasser does not seem to think very highly of the sprinkling of roads with chemicals, such as salts and tar. An ideal means of laying street dust which has been suggested of late years is sprinkling with a solution of sulphite pitch in water, which would seem to avoid any dust for at least six weeks. Sulphite pitch is obtained as a byproduct in manufacturing cellulose.

## Machine Makes Light Audible.

A remarkable instrument, known as the otophone, which makes light audible, has been invented by Mr. Tourner d'Albe, lecturer on physics at Birmingham university. Light directed on to a selenium cell, to which an electric battery is attached, moves a sensitized indicator, and this movement is made audible by a telephone apparatus. Thus a blind person can locate light by sound. Still light is said to roar, while moonlight makes a gentler sound. The box containing part of the mechanism of the otophone is very like a photographic camera. A blind person using an otophone could learn to locate windows and other lights and thus be much assisted in moving about. The otophone is a first step toward letting light into the darkness that afflicts the blind and will probably lead to further developments in this direction.

## Nature's Protective Colors.

The caterpillar of the lobster moth has been pointed out as the most remarkable example of mimicry in nature by Professor Mark Webb. It is an ant in appearance when first hatched; then it looks like a leaf, and on being alarmed it shakes its antennae in close resemblance to a spider. Black and white of black and yellow are nature's danger signals. Black and yellow are warning colors of snakes and wasps and of caterpillars and butterflies that birds do not eat. Other creatures mimic the colors for protection, the black and white of the peacock and the bright colors of the

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